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PPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/652,625		08/29/2003	Hak-Mo Jung	HONPT17	1032
49691	7590	12/29/2005		EXAMINER	
IP STRATE			FORD, JOHN K		
12 1/2 WALL STREET SUITE I				ART UNIT	PAPER NUMBER
ASHEVILLE, NC 28801				3753	

DATE MAILED: 12/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/652,625	JUNG, HAK-MO
Office Action Summary	Examiner	Art Unit
	John K. Ford	3753
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tirn iil apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 10/62 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowan closed in accordance with the practice under Ex	raction is non-final. ce except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 6 is/are pending in the application 4a) Of the above claim(s) 3 is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 4-6 is/are rejected. 7) Claim(s) 2 is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examiner 10) The drawing(s) filed on 6 is/are: a) access applicant may not request that any objection to the or	n from consideration. election requirement. checked or b) ☑ objected to by the E	Examiner (See PTO-948 uttached) e 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correcti 11) The oath or declaration is objected to by the Example 11.	- · · · · ·	
Priority under 35 U.S.C. § 119		
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	have been received. have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 02/23/05	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	

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Applicant's response of October 5, 2005 has been given careful consideration. Applicant's election of the species of Figure 3 (second species of guide plates, wherein the guide plates engage into recesses on the underside of the upper plate), without traverse, is acknowledged. Claims 1, 2 and 4-6 have been identified as readable thereon. Claim 3 is withdrawn as to the non-elected species. Receipt of a complete copy of Korean 10-0309710 is acknowledged as well.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over the combined teachings of Ishida (USP 4,820,903) and Mosdorf (DE 3003341).

Ishida shows all of the claimed structure of claim 1 in Figures 1 and 2(a)-2(d) except a plurality of projections each having a sharp tip at positions corresponding to the support legs 6 (called "pillars" in Ishida and best seen in Figures 2(b) and 2(c) of Ishida). Applicant's claimed "upper plate" is plate 3 of Ishida and the claimed "base plate" is base plate 2 of Ishida.

Mosdorf in Figure 1 teaches a series of screws projecting through a base plate (made up of elements 2, 9 and 10) and into support legs 3 that support the upper plate

1 of Mosdorf. The screws advantageously hold the base plate and upper plate together to form a more rigid structure with less likely separation and improved lateral stability.

To have formed a structure with an upper plate having a series of integrally provide support legs projecting downwardly therefrom and a base plate with a series of screws screwed into the aforementioned support legs would have been obvious to one of ordinary skill in the art to obtain the advantages discussed above. The screws in their final position must form a hole in the end of the corresponding support leg.

Claims 4-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combined teachings of Ishida (USP 4,820,903) and Mosdorf (DE 3003341) as applied to claim 1 above, and further in view of Fukui et al (JP 6-147515).

In Figure 4, Fukui teaches an upper plate of a floor heating system formed with recess parts (18) in the lower side of the upper plates, that receive guide plates 6 (for wiring, 7) that have projections (17) that fit into the recess parts (18). To have formed the floor heating system of the combined teachings of Ishida (USP 4,820,903) and Mosdorf (DE 3003341) with an upper plate of the floor heating system formed with recess parts in the lower side of the upper plates, that receive guide plates that have projections that fit into the recess parts would have been obvious to one of ordinary skill in the art to advantageously facilitate electrical connections.

Any flow of air over such guide plates 6 will inherently have its direction changed (albeit a small amount if it passes parallel to the guide plates 6, but much more if it

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passes perpendicular thereto). Moreover, regarding the intended function of air flow direction change recited in claim 4, functional language in the claim is treated in accordance with MPEP 2114, incorporated here by reference, and is not given weight in the absence of specifically claimed structure to support the intended function.

Regarding claim 5, each of the guide plates 6 of Fukui have bases (formed as webs between adjoining vertical parts) with grooves 12 in the middle of them.

Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication should be directed to John K. Ford at telephone number 571-272-4911.

Primary Exeminar

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